

Title (en)

Inertia lock type synchronous clutch mechanism.

Title (de)

Sperrsynchrisationsmechanismus für Kupplung.

Title (fr)

Mécanisme de synchronisme à blocage pour embrayage.

Publication

EP 0167319 A1 19860108 (EN)

Application

EP 85304287 A 19850614

Priority

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Abstract (en)

An inertia lock type synchronous clutch mechanism in which elastic ring members (7) on blocking rings (5) are engaged by a shift sleeve (4) splined to a clutch hub (2) at a plurality of sloping circumferential cam portions (6) protruding from the inner circumference of the sleeve so that the blocking rings are moved axially into frictional engagement with tapered cone portions (3b) of synchronized gears (3', 3'') by the force applied through the elastic ring members by the axial shifting action of the shift sleeve. Each of the elastic ring members is formed with a plurality of outwardly convex portions (7a) corresponding to the respective cam portions, and concave portions between the convex portions which concave portions engage in grooves (8) formed in the outer circumference of the boss portions (5c) of each of the blocking rings, whereby excess bulging of the elastic ring member is prevented.

IPC 1-7

F16D 23/06

IPC 8 full level

F16D 23/06 (2006.01)

CPC (source: EP US)

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Citation (search report)

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